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NOTICE OF ALLOWANCE AND FEE(S) DUE

26646

7590

06/29/2010

KENYON & KENYON LLP ONE BROADWAY NEW YORK, NY 10004 EXAMINER

YEE, DEBORAH

ART UNIT PAPER NUMBER

1793

DATE MAILED: 06/29/2010

ſ	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/550,252	09/21/2005	Riki Okamoto	52433/818	1945

TITLE OF INVENTION: HIGH-STRENGTH HOT-ROLLED STEEL SHEET EXCELLING IN BORE EXPANDABILITY AND DUCTILITY AND PROCESS FOR PRODUCING THE SAME

APPLN. TYPE SMALL ENTITY ISSUE FEE DUE PUBLICATION FEE DUE PREV. PAID ISSUE FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1510 \$300 \$0 \$1810 09/29/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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maintenance fee notifications. Note: A certificate of mailing can only be used for domestic mailings of the CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission. 26646 7590 06/29/2010 Certificate of Mailing or Transmission KENYON & KENYON LLP I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below. ONE BROADWAY NEW YORK, NY 10004 (Depositor's name (Signature (Date APPLICATION NO. FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. FILING DATE 10/550,252 09/21/2005 Riki Okamoto 52433/818 1945 TITLE OF INVENTION: HIGH-STRENGTH HOT-ROLLED STEEL SHEET EXCELLING IN BORE EXPANDABILITY AND DUCTILITY AND PROCESS FOR PRODUCING THE SAME APPLN. TYPE SMALL ENTITY ISSUE FEE DUE PUBLICATION FEE DUE PREV. PAID ISSUE FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1510 \$300 \$0 \$1810 09/29/2010 **EXAMINER** ART UNIT CLASS-SUBCLASS YEE, DEBORAH 1793 148-602000 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. or agents OR, alternatively, (2) the name of a single firm (having as a member a ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) 4a. The following fee(s) are submitted: ☐ Issue Fee A check is enclosed. Publication Fee (No small entity discount permitted) Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number ______ (enclose an extra copy of this fo Advance Order - # of Copies _ (enclose an extra copy of this form). 5. Change in Entity Status (from status indicated above) a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ■ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2). NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office. Authorized Signature Date Typed or printed name Registration No. This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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10/550,252	09/21/2005		Riki Okamoto	52433/818	1945
26646	7590	06/29/2010		EXAMINER	
KENYON & K	ENYON	N LLP	YEE, DEBORAH		
ONE BROADWAY NEW YORK, NY 10004				ART UNIT	PAPER NUMBER
				1793	
11DW 10MX, 111 10004				1793 DATE MAII ED: 06/29/201	n

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 158 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 158 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/550,252	OKAMOTO ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Deborah Yee	1793	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.31:	S (OR REMAINS) CLOSED) or other appropriate comm RIGHTS. This application is	n this application. If not included unication will be mailed in due course. THI	
1. 🔀 This communication is responsive to Applicant's amendment	ent and remarks filed May 2	<u>7,2010</u> .	
2. The allowed claim(s) is/are <u>1, 2, and 6 to 10</u> .			
 3. Acknowledgment is made of a claim for foreign priority u a) All b) Some* c) None of the: 1. Certified copies of the priority documents hav 	,	or (f).	
2. ☐ Certified copies of the priority documents have		on No.	
3. ☑ Copies of the certified copies of the priority do			е
International Bureau (PCT Rule 17.2(a)).		3	
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the requirements	
4. A SUBSTITUTE OATH OR DECLARATION must be subn INFORMAL PATENT APPLICATION (PTO-152) which give			
5. CORRECTED DRAWINGS (as "replacement sheets") mu	st be submitted.		
(a) 🔲 including changes required by the Notice of Draftsper	son's Patent Drawing Revie	w (PTO-948) attached	
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date	_•		
(b) ☐ including changes required by the attached Examiner Paper No./Mail Date	's Amendment / Comment o	or in the Office action of	
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in			
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5 Notice of I	nformal Patent Application	
Notice of Neterences Cited (FTO-092) Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413),	
_ ,	Paper No	/Mail Date	
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date <u>5/27/10</u> 	7. 🔀 Examiner:	Amendment/Comment	
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛛 Examiner's	s Statement of Reasons for Allowance	
or biological material	9. 🗌 Other	_·	
/Deborah Yee /			
Primary Examiner Art Unit: 1793			
AIT OHIL 1793			

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Election/Restrictions

Claims 1, 2 and 7 to 10 are directed to an allowable product. Pursuant to the procedures set forth in MPEP § 821.04(B), claim 6, directed to the process of making or using an allowable product, previously withdrawn from consideration as a result of a restriction requirement, is hereby rejoined and fully examined for patentability under 37 CFR 1.104.

Because all claims previously withdrawn from consideration under 37 CFR 1.142 have been rejoined, the restriction requirement as set forth in the Office action mailed on December 4, 2007 is hereby withdrawn. In view of the withdrawal of the restriction requirement as to the rejoined inventions, applicant(s) are advised that if any claim presented in a continuation or divisional application is anticipated by, or includes all the limitations of, a claim that is allowable in the present application, such claim may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Once the restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. See *In re Ziegler*, 443 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

In view of the above noted withdrawal of the restriction requirement, applicant is advised that if any claim presented in a continuation or divisional application is anticipated by, or includes all the limitations of, a claim that is allowable in the present application, such claim may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application.

Once a restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. See *In re Ziegler*, 443 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

EXAMINER'S AMENDMENT

Authorization for this examiner's amendment was given in a telephone interview with Mr. Weining Wang on June 22, 2010.

The application has been amended as follows:

Claim 1, 2, 7 to 10 have been amended by changing "ferritic" to --ferrite—located on line 1 of claim and also second to last line of claim.

Claim 6, line 6, "15" has been changed to -- 0.8 --.

Allowable Subject Matter

Claims 1, 2 and 6 to 10 are allowed.

The following is an examiner's statement of reasons for allowance: A hot-rolled steel sheet composition having a strength of at least 1049 N/mm² excellent in hole expandability and ductility and having a ferrite structure which is strengthened by TiC and/or NbC precipitates, Mn and C without adding Mg; and its method of making as recited in claims 1, 2 and 6 to 10 are not taught or fairly suggested by the art of record for the reasons set forth in Applicants' remarks filed May 27, 2010.

As stated by Applicants, applied references, Japanese patent 2002-180188, Japanese patent 2002-180189 and Japanese patent 2002-180190 are directed to a steel having a ferrite-bainite microstructure, and in view of examples exhibits a tensile

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strength no higher than 988N/mm² (Example 8 in table 2 of JP'188), 984 N/mm² (Example 5 in table 2 of JP'189) and 976 N/mm² (Example 976N/mm²). In contrast, Applicants' claims 1, 2, and 6 to 10 recite steel having a ferrite microstructure which would exclude prior art bainite and exhibits a tensile strength of at least 1040N/mm², which is significantly higher than prior art.

Also Japanese patents disclose a method of making steel sheet comprising the step of air cooling for 2 to 15 seconds after hot rolling and cooling which is significantly higher than the air cooling time of 0.5 to 0.8 seconds recited in Applicants' claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Deborah Yee whose telephone number is 571-272-1253. The examiner can normally be reached on monday-friday 6:00 am-2:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Roy King can be reached on 571-272-1244. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Deborah Yee/ Primary Examiner Art Unit 1793

/DY/